



Singlemode Tree/Star Coupler



Shenzhen Optostar Optoelectronics Co., Ltd

2013. 05 (Version 2)

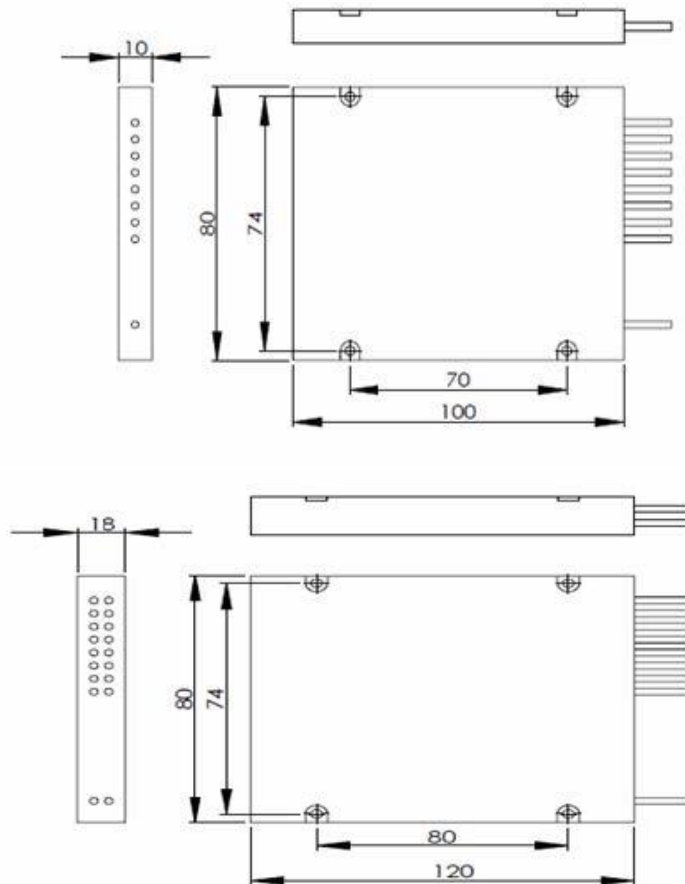
Overview

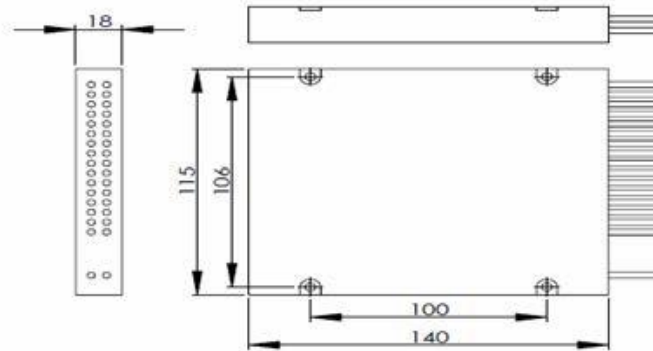
OPTOSTAR' Singlemode Tree/Star Coupler 1X4, 1X8, 1X16, 1X32 port ratios are available(or custom specified). They offer very low insertion loss, low polarization dependence, well controlled uniformity as well as excellent environmental stability. Standard tree coupler have been extensive used to split and mix optical signals in CATV, LANs and all other kinds of optical communication systems. All OPTOSTAR Optronics' products are Telcordia qualification tested.

Product Features

- Low Excess Loss
- Uniform Power Splitting
- Rugged Package
- Excellent Environmental & Mechanical Stability

Package Dimension





Technical Parameter

Singlemode Standard Tree/Star Couplers				
Configuration Type	1x4	1x8	1x16	1x32
Maximum insertion loss (dB)	7.4	10.8	15	18.5
Uniformity (Max.) (dB)	0.7	1.0	1.2	1.4
Polarization Dependant Loss (Max.) (dB)	0.25	0.40	0.50	0.70
Operating Wavelength (nm)	1310, 1550, or custom wavelength			
Dimensions (mm)	1,2	1,3	2	2

Singlemode Window Wideband Tree/Star Couplers				
Configuration Type	1x4	1x8	1x16	1x32
Maximum insertion loss (dB)	7.4	10.8	14.5	18.5
Uniformity (Max.) (dB)	0.8	1.2	1.6	2.0
Polarization Dependant Loss (Max.) (dB)	0.25	0.40	0.50	0.70
Operating Wavelength (nm)	1310± 40, 1550± 40, or custom wavelength			
Dimensions(mm)	1,2	1,3	2	2

Singlemode Dual Wideband Tree/Star Couplers				
Configuration Type	1x4	1x8	1x16	1x32
Maximum insertion loss (dB)	7.6(7.4)*	11.5(10.8)*	15.5(14.5)*	19.0(18.5)*
Uniformity (Max.) (dB)	1.6(1.4)*	2.5(2.1)*	3.4(2.8)*	4.1(3.5)*
Polarization Dependant Loss (Max.) (dB)	0.25	0.40	0.50	0.70
Operating Wavelength (nm)	1310/1550±40,(*1310/1550±20), or custom wavelength			
Dimensions(mm)	1,2	1,3	2	2
Directivity (dB)	≥50			
Operating Temperature (°C)	-2~+85			
Storage Temperature (°C)	-40~+85			
Fiber Type	Corning singlemode SMF-28			
Fiber Pigtail Length (m)	1m or custom on request			
Port Configuration	1x4 to 32x32			

- 1、Above specifications are for devices without connector.
- 2、Specifications may change without notice.

Application

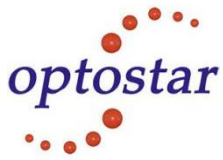
- Long-haul Telecommunications
- Digital, Hybrid and AM-Video Systems
- CATV Systems
- High Speed Local Area Networks
- Fiber Sensors
- FTTX

Order Information

Description
Singlemode Tree/Star Coupler
<p>Note:</p> <p>Type: Singlemode Standard Coupler, Singlemode Wideband Coupler</p> <p>Grade: P,A</p> <p>Coupling Ratio or Attenuation: Tree Coupler</p> <p>Port: 1x4,1x16,16x16,32x32</p> <p>Package: 1 type,2 type,3 type</p> <p>Pigtail Style: Bare Fiber,900µm Jacket,2mm Cable,3mm Cable</p> <p>Fiber Type: SMF-28,62.5/125um,custom</p> <p>Connctor: None,FC/APC,FC/PC,SC/APC,SC/PC,ST,LC,custom</p> <p>Wavelength: 1310nm,1550nm,1310/1550nm</p>

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTOSTAR before they become applicable to any particular order or contract. In accordance with the OPTOSTAR policy of continuous improvement specifications may change without notice.



The publication of information in this data sheet does not imply freedom from patent or other protective rights of OPTOSTAR or others. Further details are available from any OPTOSTAR sales representative.

Contact OPTOSTAR

Shenzhen Optostar Optoelectronics Co., Ltd

Address:A-14,Haide Building,the Intersection of Nanxin Road and Haide Second Road Nanshan District Shenzhen,China .

Tel: +86-755-26400198 +86-755-26400288 Fax: +86-755-26411001

Email: info@optostar.com.cn

Skype:ouyangroya

Web: www.optostar.com.cn